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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/996,271	11/28/2001	Amit Chakraborty	2000P09096 US01	2366

7590 06/21/2004

Siemens Corporation
Intellectual Property Department
186 Wood Avenue South
Iselin, NJ 08830

EXAMINER

ABEL JALIL, NEVEEN

ART UNIT	PAPER NUMBER
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2175

DATE MAILED: 06/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/996,271

Applicant(s)

CHAKRABORTY ET AL.

Examiner

Neveen Abel-Jalil

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 April 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3, 6, 8, 9 and 23-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3, 6, 8, 9 and 23-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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DETAILED ACTION

1. Since this application is eligible for the transitional procedure of 37 CFR 1.129(a), and the fee set forth in 37 CFR 1.17(r) has been timely paid, the finality of the previous Office action is hereby withdrawn pursuant to 37 CFR 1.129(a). Applicant's amendment submission after final filed on April 30, 2004 has been entered.

2. The amendment filed on April 30, 2004 has been received and entered. Claims 4-5, 7, 10-22, and 28 have been cancelled. Therefore, claims 1-3, 6, 8-9, and 23-27 are now pending.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 23, and 25-27 are rejected under 35 U.S.C. 102(e) as being anticipated by JONES et al. (U.S. Pub. No. 2001/0047373 A1).

As to claim 23, JONES et al. discloses a program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to

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perform method steps for creating an anchorable information unit file from a portable document format document, the method steps comprising:

parsing the portable document format document into textual portions and non-text portions (See page 11, column 1, lines 15-34);

extracting structure from the textual portions and the non-text portions (See page 2, paragraph 0013);

determining text within textual portions, and the non-text portions (See page 4, paragraph 0040); and

hyperlinking a plurality of keywords within the textual portions and non-text portions to a related document by creating the anchorable information unit file, wherein the plurality of keywords are anchorable information units (See page 8, paragraphs 0075-0078).

As to claim 25, JONES et al. discloses wherein the step of extracting further comprises the steps of:

determining a level for extracted textual portions (See pages 3-4, paragraph 0039, also see page 6, paragraphs 0056-0057);

associating the context with the text (See page 7, paragraphs 0064-0066); and

pattern matching (See Gatto et al. column 16, lines 60-67, and see Gatto et al. column 17, lines 1-11) extracted text to the portable document format document to determine a context and a location (See page 8, paragraphs 0075-0078).

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As to claim 26, JONES et al. discloses wherein the level is one of a paragraph, a heading and a subheading (See page 1, paragraph 0004, prior art, also see page 7, paragraphs 0066-0070, and see page 11, column 2, lines 46-52).

As to claim 27, JONES et al. discloses wherein the step of pattern matching further comprises the steps of:

determining a median font size for the portable document format document (See page 11, column 1, lines 8-14);

comparing a font size of the extracted text to the median font size for the portable document format document (See abstract) and

determining a context according to font size (See page 5, paragraphs 0052-0054).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1-3, 6, 8-9 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over JONES et al. (U.S. Pub. No. 2001/0047373 A1) in view of Gatto et al. (U.S. Patent No. 6,344,906 B1).

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As to claim 1, JONES et al. discloses a system for processing a multimedia data file to provide information supporting user navigation of multimedia data file content, comprising:

a content parser to identify and locate previously unidentified text and image content of a data file (See page 11, column 1, lines 15-34), the content parser applying text extraction rules to identify text and identify a document structure, wherein the document structure defines a context for identified text (See page 5, paragraphs 0050-0052);

a text sorter for parsing said identified text and said identified embedded text to locate text items in accordance with predetermined sorting rules (See page 2, paragraph 0014, also see page 8, paragraph 0082); and

memory for storing a navigation file containing said text items (See page 2, paragraph 0029, and see page 3, paragraph 0037).

JONES et al. does not teach a black and white image processor for processing said identified image content to identify embedded text content by applying object templates, the image processor comprising a pixel smearing component reducing text to a rectangular block of pixels and an image filtering component for cleaning a smeared image.

Gatto et al. teaches a black and white image processor for processing said identified image content to identify embedded text content by applying object templates, the image processor comprising a pixel smearing component reducing text to a rectangular block of pixels and an image filtering component for cleaning a smeared image (See column 16, lines 55-67, and see column 17, lines 1-12).

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Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to have modified JONES et al. to include a black and white image processor for processing said identified image content to identify embedded text content by applying object templates, the image processor comprising a pixel smearing component reducing text to a rectangular block of pixels and an image filtering component for cleaning a smeared image.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified JONES et al. by the teaching of Gatto et al. to include a black and white image processor for processing said identified image content to identify embedded text content by applying object templates, the image processor comprising a pixel smearing component reducing text to a rectangular block of pixels and an image filtering component for cleaning a smeared image because it provides for image correction and ease of user viewing of embedded images.

As to claim 2, JONES et al. as modified discloses wherein the navigation file links to at least one internal document object (See page 8, paragraph 0076).

As to claim 3, JONES et al. as modified discloses wherein the navigation file links to at least one external document object (See page 8, paragraph 0082).

As to claim 6, JONES et al. as modified discloses wherein the content parser applies pre-defined hierarchical rules for determining a level of identified text (See page

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10, column 1, lines 53-62, and see pages 6-7, paragraphs 0062-0063, and see page 1, paragraph 0001, prior art).

As to claim 8, JONES et al. as modified discloses wherein the system refines a search resolution during a text identifying process to determine a location of the embedded text within an image (See page 10, column 1, lines 45-52).

As to claim 9, JONES et al. as modified discloses wherein identified text comprises hyperlinks (See page 6, paragraph 0060).

As to claim 24, JONES et al. does not teach wherein the step of parsing further comprises the step of differentiating color image content from black-and-white content.

Gatto et al. teaches wherein the step of parsing further comprises the step of differentiating color image content from black-and-white content (See column 16, lines 55-67, and see column 17, lines 1-12).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to have modified JONES et al. to include wherein the step of parsing further comprises the step of differentiating color image content from black-and-white content.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified JONES et al. by the teaching of Gatto et al. to include wherein the step of parsing further comprises the step of differentiating color

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image content from black-and-white content because it provides for image correction and ease of user viewing of embedded images.

Response to Arguments

7. Applicant's arguments with respect to claims 1-3, 6, 8-9, and 23-27 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Neveen Abel-Jalil whose telephone number is 703-305-8114. The examiner can normally be reached on 8:30AM-5:30PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on 703-305-3830. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Neveen Abel-Jalil
June 14, 2004

Charles Rones
CHARLES RONES
PRIMARY EXAMINER